Blades Groundwater Site
Table 1
Public Supply Well Samples
PFAS and Inorganic Analytical Summary Tables

Sample ID:		PW-1		PW-2		PW-3		PW-4*	
CLP Sample Number:		C0AA0		C0AA1		C0AA2		C0AA3	
Units:		ng/L		ng/L		ng/L		ng/L	
Sample Date:		2/12/2018		2/12/2018		2/12/2018		2/12/2018	
Sample Type:		Field Sample		Field Sample		Field Sample		Field Sample	
PFCs	Benchmark	Result	Q	Result	Q	Result	Q	Result	Q
PFOS (Perfluorooctanesulfonic acid)	70[1]	**140**	J+	**53**		**210**		**220**	
PFOA (Perfluorooctanoic acid)	70[1]	**20**	J+	**26**		**19**	J	**18**	J
PFNA (Perfluorononanoic acid)	NL	46	J+	26		43		43	
PFHxS (Perfluorohexanesulfonic acid)	NL	29	J	20	J	29	J	31	
PFHpA (Perfluoroheptanoic acid)	NL	7.3	J	9.0	J	7.1	J	6.6	J
PFBS (Perfluorobutanesulfonic acid)	40,000[2]	89	U	89	U	90	U	91	U

* PW-4 sample location is a sample port of the combined wells prior to treatment

Sample ID:		PW-1		PW-2		PW3		TBW-01	
CLP Sample Number:		C0AN6		C0AN4		C0AN3		C0AR5	
Units:		ng/L		ng/L		ng/L		ng/L	
Sample Date:		11/5/2018		11/5/2018		11/5/2018		3/26/2019	
Sample Type:		Field Sample		Field Sample		Field Sample		Field Sample	
PFCs	Benchmark	Result	Q	Result	Q	Result	Q	Result	Q
PFOS (Perfluorooctanesulfonic acid)	70[1]	**43**		27		**160**		4	
PFOA (Perfluorooctanoic acid)	70[1]	**27**		24		**14**		3.3	J
PFNA (Perfluorononanoic acid)	NL	14		20		36		1.7	U
PFHxS (Perfluorohexanesulfonic acid)	NL	12		3.8		25		1.6	J
PFHpA (Perfluoroheptanoic acid)	NL	11		7.7		4.7		3	
PFBS (Perfluorobutanesulfonic acid)	40,000[2]	13		3		6.3		1.3	J

Notes:

ng/L = nanogram per liter

[1] PFOS and PFOA results compared to EPA's combined HAL (EPA, 2016)

[2] PFBS results compared to EPA RSLs TR= 1E-06 HQ 0.1 for tap water (EPA, 2018)

Red values indicate 3x background values (TBW-01) (or above background detection limit if background is non-detect)

Bold values indicate exceedance of benchmark

J = Reported value is estimated; actual value may be higher or lower

J+ = The result is an estimated quantity biased high; the actual result is expected to be to lower

J- = The result is an estimated quantity biased low; the actual result is expected to be higher

NL = No listed value

Q = Qualifier

R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.

RSL = Regional Screening Level

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit

UJ = The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise

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Sample ID:			TBW-01		PW-1		PW-2		PW3	
CLP Number:			MC0AJ2		MC0AN6		MC0AN4		MC0AN3	
Units:			µg/L		µg/L		µg/L		µg/L	
Sample Date:			11/6/2018		11/5/2018		11/5/2018		11/5/2018	
	MCL	RSL Tapwater	Field Sample		Field Sample		Field Sample		Field Sample	
Metals:	(µg/L)	(µg/L)	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	NL	2000	60.8	J	20	JB	24.9	J	3.8	J
Antimony	6	0.78	2	U	2	U	2	U	2	U
Arsenic	10	0.052	1	U	1	U	1	U	1	U
Barium	2000	380	249	J	103	J	164	J	107	J
Beryllium	4	2.5	0.49	J	1	U	0.6	J	0.21	J
Cadmium	NL	NL	0.27	J	0.082	J	0.21	J	1	U
Calcium	NL	NL	7,380	J	12,500	J	7,990	J	10,700	J
Chromium	100[1]	2200[2]	0.74	J	0.64	J	0.56	J	0.7	J
Cobalt	NL	0.6	**20.1**		**4.1**		**4.7**		**2.3**	
Copper	1300	80	0.39	J	6.4		61.7		7.7	
Iron	NL	1400	171	J	1,090		537		32.9	JB
Lead*	15	15	0.21	UJ	0.92	J	12.6		0.19	J
Magnesium	NL	NL	3,030	J	3,000	J	2,450	J	2,140	J
Manganese	NL	43	**176**	J	**109**		**93**		31.9	
Mercury	2	0.063	0.2	U	0.2	JB	0.2	JB	0.2	JB
Nickel	NL	39	8.1		1.5		5.4		2	
Potassium	NL	NL	4,010		3,700	U	3,870		3,400	
Selenium	50	10	5	U	5	J	1.3	J	1.4	J
Sodium	NL	NL	5,310	J	31,400	J	7,220	J	7,530	J
Thallium	2	0.02	0.074	J	0.032	UJ	0.026	J	0	J
Vanadium	NL	8.6	5	UJ	5		5	UJ	5	UJ
Zinc	NL	600	41.1		44.9		254		8.3	
Cyanide	200	0.15	10	U	10	U	10	U	10	U
Hexavalent Chromium	100[1]	0.035[3]	0.03	U	0.03	U	0.011	J	0.03	U

Notes:
Data compared to EPA MCLs (EPA, 2009) and EPA RSLs for tapwater TR= 1E-06 HQ 0.1 (EPA, 2018)
Bold values indicate exceedance of tapwater RSL; highlighted values indicate exceedance of MCL
Red values indicate 3x background values TBW-01 (or above background detection limit if background is non-detect)
[1] There is no RSL for total chromium; values shown are for chromium III
[2] There is no RSL for lead in soil; however, EPA recommends soil with lead concentrations less than 400 mg/kg is safe for residential use
µg/L = micrograms per liter

J = Reported value is estimated; actual value may be higher or lower
MCLs = Maximum Contaminant Level
NL = No listed value

Q = Qualifier
RSL = Regional Screening Level
U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit